

APPENDIX A

**GEOLOGIC DRILL LOGS
SB-1 THROUGH SB-16 AND ISS-1**



ERM-EnviroClean, Inc.

Environmental Resources Management

GEOLOGIC DRILL LOG										PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 1		HOLE NUMBER SB-1	
SITE Aubrey Manufacturing					COORDINATES N 5002.02; E5643.80					CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe							
BEGUN 07-01-96		COMPLETED 07-01-96		DRILLER On-Site Environmental			DRILLING EQUIPMENT Truck-mounted Geoprobe					BORING DIA. 2		DEPTH (FT) 6.0'			
CORE RECOVERY (FT./%) /			CORE BOXES		SAMPLES		ELEV. TOP CASING		GROUND ELEV. 850.07		DEPTH/ELEV. GROUND WATER			DEPTH/ELEV. TOP OF ROCK			
SAMPLE DEVICE Geoprobe plastic tubing					DRILL CASING LEFT IN HOLE: DIA./LENGTH					LOGGED BY Gina M. Seegers							
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.					
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RCD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations											
10:05	1.0	2.0			0.8		-8				0.0-0.8': <u>TOPSOIL</u> : Dark brown, clayey, soft, moist, grass and roots.						
							-2.3				0.8-2.3': <u>SAND</u> : Dark yellowish orange, moist, fine grained, with pebbles, trace of fines.						
10:10	1.2	2.0			1.0		-3				2.3-3.0': <u>SAND, SILT, AND CLAY</u> : Small pebbles, moist, light brown.						
							-4.8				3.0-4.8': <u>SAND</u> : Fine/medium grained, well sorted, 10% small pebbles, moist, light brown. Wet to saturated, moderate yellowish brown, fine grained, 10% small pebbles.						
10:20	1.8	2.0			1.0		5				4.8-6.0': <u>SAND, SILT, AND CLAY</u> : Light brown, 15% small pebbles, soft to medium firm.						
							-6				End of boring 6 feet below ground surface.						
							10										
							15										



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GEOLOGIC DRILL LOG										PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 1		HOLE NUMBER SB-2	
SITE Aubrey Manufacturing					COORDINATES N 5093.62; E5643.81			CONTAMINANT SCREENING NOTES HNu with 11.7 eV Probe									
BEGUN 07-01-96		COMPLETED 07-01-96		DRILLER On-Site Environmental			DRILLING EQUIPMENT Truck-mounted Geoprobe					BORING DIA. 2		DEPTH (FT) 11.0'			
CORE RECOVERY (FT./%) /			CORE BOXES		SAMPLES		ELEV.TOP CASING		GROUND ELEV. 851.08		DEPTH/ELEV. GROUND WATER			DEPTH/ELEV. TOP OF ROCK			
SAMPLE DEVICE Geoprobe plastic tubing					DRILL CASING LEFT IN HOLE: DIA./LENGTH							LOGGED BY Gina M. Seegers					
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.					
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations											
11:00	3.8	4.0			0.0						0.0-2.0': TOPSOIL; Dusky yellowish brown, clayey, slightly moist, soft, roots.						
11:03	4.0	4.0			0.0						2.0-11.0': CLAY, SILT, AND SAND; With small pebbles, moist, soft.						
11:12	3.0	3.0			0.6						Light brown, 15% rounded pebbles, soft to medium, moist around pebbles.						
											Same as above, fine grained sand seams at 9' and 11' which are 2" thick, wet to moist, moderate yellowish brown, 10% small pebbles.						
											End of boring 11 feet below ground surface.						



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GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK	SHEET NO. 1 of 1	HOLE NUMBER SB-3				
SITE Aubrey Manufacturing			COORDINATES N 5184.79; E 5642.73		CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe							
BEGUN 07-01-96	COMPLETED 07-01-96	DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe			BORING DIA. 2	DEPTH (FT) 8.0'				
CORE RECOVERY (FT./%) /		CORE BOXES	SAMPLES	ELEV. TOP CASING	GROUND ELEV. 850.58	DEPTH/ELEV. GROUND WATER		DEPTH/ELEV. TOP OF ROCK				
SAMPLE DEVICE Geoprobe plastic tubing			DRILL CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY Gina M. Seegers					
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RCD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
11:35	2.0	2.0			0.0						0.0-1.0': <u>TOPSOIL</u> ; Dusky yellowish brown, slightly moist, roots.	
11:38	1.0	2.0			0.0						1.0-4.0': <u>SAND, SILT, AND CLAY</u> ; Moderate brown, soft, slightly moist, soft, small pebbles.	
11:46	2.0	2.0			0.0						Moist to wet at 4', light brown. 4.0-5.6': <u>CLAYEY SAND AND GRAVEL</u> ; 50% pebbles, moist to wet, light brown.	
11:50	2.0	2.0			0.0						5.6-7.1': <u>SAND, SILT, AND CLAY</u> ; Wet, very soft, trace pebbles, light brown. Saturated, some pebbles. Soft, moist.	
											7.1-7.7': <u>SAND</u> ; Fine grained, saturated, trace of fines.	
											7.7-8.0': <u>SAND, SILT, AND CLAY</u> ; Soft, moist, small pebbles, light brown. End of boring 8 feet below ground surface.	



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GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK	SHEET NO. 1 of 1	HOLE NUMBER SB-4				
SITE Aubrey Manufacturing			COORDINATES N 5276.00; E5640.22		CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe							
BEGUN 07-01-96	COMPLETED 07-01-96	DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe			BORING DIA. 2	DEPTH (FT) 6.0'				
CORE RECOVERY (FT./%) /		CORE BOXES	SAMPLES	ELEV. TOP CASING	GROUND ELEV. 849.81	DEPTH/ELEV. GROUND WATER		DEPTH/ELEV. TOP OF ROCK				
SAMPLE DEVICE Geoprobe plastic tubing				DRILL CASING LEFT IN HOLE: DIA./LENGTH			LOGGED BY Gina M. Seegers					
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
12:20	1.4	2.0			0.0						0.0-1.0': <u>TOPSOIL</u> ; Dusky yellowish brown, slightly moist, roots.	
											1.0-2.0': <u>SAND, SILT, AND CLAY</u> ; Moderate yellowish brown, soft, moist.	
12:23	1.0	2.0			0.0						2.0-6.0': <u>SAND</u> ; Pebbly, well sorted, fine/medium grained, wet, dark yellowish brown.	
12:27	2.0	2.0			0.0						Wet, no pebbles.	
								5			Pebbles, wet to saturated, trace of fines.	
								10				
								15			End of boring 6 feet below ground surface.	



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GEOLOGIC DRILL LOG				PROJECT/TASK		PROJECT NUMBER	SHEET NO.	HOLE NUMBER				
				RCRA Pond Closure		91255JK	1 of 1	SB-6				
SITE			COORDINATES		CONTAMINANT SCREENING NOTES							
Aubrey Manufacturing			N 4902.99; E5640.77		HNU with 11.7 eV Probe							
BEGUN	COMPLETED	DRILLER		DRILLING EQUIPMENT			BORING DIA.	DEPTH (FT)				
07-01-96	07-01-96	On-Site Environmental		Truck-mounted Geoprobe			2	8.0'				
CORE RECOVERY (FT./%)		CORE BOXES	SAMPLES	ELEV. TOP CASING	GROUND ELEV.	DEPTH/ELEV. GROUND WATER		DEPTH/ELEV. TOP OF ROCK				
/					850.66							
SAMPLE DEVICE				DRILL CASING LEFT IN HOLE: DIA./LENGTH			LOGGED BY					
Geoprobe plastic tubing							Gina M. Seegers					
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RCD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
	1.0	2.0									0.0-4.0': <u>TOPSOIL</u> : Dusky yellowish brown to light yellowish brown, dry, sandy, clayey near bottom, small pebbles.	
	2.0	2.0									Dusky yellowish brown, clayey, roots, soft, moist.	
	1.0	2.0					-4				4.0-4.6': <u>CLAYEY SAND</u> : Fine grained, wet.	
							-4.6	5			4.6-6.0': <u>SAND, SILT, AND CLAY</u> : Pale yellowish brown and light brown, soft, moist, 10% small pebbles.	
	2.0	2.0					-6				6.0-6.9': <u>CLAYEY SAND AND GRAVEL</u> : Wet to saturated, dusky yellowish brown and light brown.	
							-6.9				6.9-8.0': <u>SAND, SILT, AND CLAY</u> : As above.	
							-8				End of boring 8 feet below ground surface.	
								10				
								15				



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Environmental Resources Management

GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 1		HOLE NUMBER SB-8/8A		
SITE Aubrey Manufacturing				COORDINATES N 5274.00; E 5690.09		CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe						
BEGUN 08-26-96		COMPLETED 08-27-96		DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe				BORING DIA. 2		
DEPTH (FT) 12.0'												
CORE RECOVERY (FT./%) /		CORE BOXES		SAMPLES		ELEV. TOP CASING		GROUND ELEV. 848.96		DEPTH/ELEV. GROUND WATER		
DEPTH/ELEV. TOP OF ROCK												
SAMPLE DEVICE Geoprobe plastic tubing				DRILL CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY Gina M. Seegers				
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH		DEPTH		GRAPHIC LOG	
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations					DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	
DRILLING NOTES water levels, water return, character of drilling, etc.												
09:30	1.7	2.0			0.0		-1.1					0.0-1.1': TOPSOIL: Brown, pebbly and sandy, slightly moist. Dusky yellowish brown, clayey, roots, trace sand.
09:32	1.5	2.0			0.0		-2.4					1.1-2.4': SANDY SILTY CLAY: Dark to moderate yellowish brown, moist, sandier near bottom.
09:35	1.8	2.0			0.0		5					2.4-7.9': GRAVELLY SAND: Moderate yellowish brown, medium to fine grained, gravel is angular to subangular, wet, trace fines. As above, wet to saturated.
10:04	2.0	2.0					-7.9					7.9-10.0': SAND: Very fine grained, clayey/silty in top 1", light brown to moderate yellowish brown.
10:12	1.5	2.0					-10	10				10.0-12.0': SANDY SILTY CLAY: Pale brown, moist, soft.
							-12					End of boring 12 feet below ground surface.
								15				



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Environmental Resources Management

GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 1		HOLE NUMBER SB-9	
SITE Aubrey Manufacturing				COORDINATES N 5092.98; E5694.01		CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe					
BEGUN 08-26-96		COMPLETED 08-26-96		DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe				BORING DIA. 2	
DEPTH (FT) 10.0'											
CORE RECOVERY (FT./%) /		CORE BOXES		SAMPLES		ELEV. TOP CASING 850.21		GROUND ELEV.		DEPTH/ELEV. GROUND WATER	
DEPTH/ELEV. TOP OF ROCK											
SAMPLE DEVICE Geoprobe plastic tubing				DRILL CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY Gina M. Seegers			

SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Obser- vations						
10:30	2.0	2.0			0.0		-1.5			0.0-1.5' <u>TOPSOIL</u> : Dusky yellowish brown, clayey, with roots, slightly moist, grades to dark yellow brown.		
10:33	2.0	2.0			0.0		-3.1			1.5-3.1' <u>SAND</u> : Moderate yellowish brown, medium grained, well sorted, slightly moist.		
10:37	1.8	2.0			0.0		-4			3.1-4.0' <u>SANDY SILTY CLAY</u> : Moderate brown, moist, with 10% small pebbles.		
							-4.9			4.0-4.9' <u>SAND</u> : As above, moist to wet at bottom.		
							-4.9	5		4.9-6.4' <u>SANDY SILTY CLAY</u> : Moderate brown, as above, medium stiff, moist.		
10:47	2.0	2.0			0.0		-6.4			As above, soft.		
							-6.8			6.4-6.8' <u>SAND</u> : Moderate yellowish brown, fine grained, well sorted, wet to saturated.		
										6.8-8.8' <u>SANDY SILTY CLAY</u> : Moderate brown, moist, 10% small pebbles, medium stiff.		
10:52	2.0	2.0			0.0		-8.8			Increase in sand content.		
							-9			8.8-9.0' <u>SAND</u> : As above, fine grained, well sorted, trace of fines, wet to saturated.		
							-10	10		9.0-10.0' <u>SANDY SILTY CLAY</u> : As above, medium stiff to stiff, moderate brown, moist to slightly moist, 10% gravel.		
										End of boring 10 feet below ground surface.		
							15					



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Environmental Resources Management

GEOLOGIC DRILL LOG										PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 2		HOLE NUMBER SB-10	
SITE Aubrey Manufacturing				COORDINATES N 4986.01; E 5699.85				CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe									
BEGUN 08-26-96		COMPLETED 08-26-96		DRILLER On-Site Environmental				DRILLING EQUIPMENT Truck-mounted Geoprobe				BORING DIA. 2		DEPTH (FT) 20.0'			
CORE RECOVERY (FT.%) /				CORE BOXES		SAMPLES		ELEV. TOP CASING 850.89		GROUND ELEV.		DEPTH/ELEV. GROUND WATER		DEPTH/ELEV. TOP OF ROCK			
SAMPLE DEVICE Geoprobe plastic tubing						DRILL CASING LEFT IN HOLE: DIA./LENGTH						LOGGED BY Gina M. Seegers					
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.					
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations											
11:24	2.0	2.0			0.0		-1.2				0.0-1.2': <u>TOPSOIL</u> : Dusky yellowish brown, clayey, with roots, slightly moist, 10% sand.						
							-2				1.2-2.0': <u>SILT</u> : Moderate yellowish brown, dry, with trace small pebbles.						
11:27	2.0	2.0			0.0		-2.7				2.0-2.7': <u>SAND</u> : Moderate yellowish brown, well sorted, fine grained, slightly moist.						
											2.7-20.0': <u>SANDY SILTY CLAY</u> : Pale/light brown, slightly moist, with small gravel, soft.						
11:31	1.6	2.0			0.2						Very soft.						
11:36	1.2	2.0			0.2						Moderate brown, soft to medium soft.						
11:39	1.9	2.0			0.2						Medium stiff.						
11:46	1.9	2.0			0.6		10				Pale brown, stiff, with small pebbles.						
11:51	1.7	2.0			0.0						Same as above.						
11:59	1.8	2.0			0.0		15				Same as above.						



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GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 2 of 2		HOLE NUMBER SB-10		
SITE Aubrey Manufacturing				COORDINATES N 4986.01; E5699.85		CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe						
BEGUN 08-26-96		COMPLETED 08-26-96		DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe			BORING DIA. 2		DEPTH (FT) 20.0'	
<i>Continued</i>												
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RCD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
11:59	1.8	2.0			0.0			15				
12:05	1.0	2.0			0.0						Same as above, wet from 16.2-16.25'.	
12:16	2.0	2.0			0.0						Same as above, moist at end.	
								-20-20			End of boring 20 feet below ground surface.	
								25				
								30				



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GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 1		HOLE NUMBER SB-11			
SITE Aubrey Manufacturing				COORDINATES N 4986.27; E 5751.98		CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe							
BEGUN 08-26-96		COMPLETED 08-26-96		DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe				BORING DIA. 2		DEPTH (FT) 8.0'	
CORE RECOVERY (FT.%) /		CORE BOXES		SAMPLES		ELEV. TOP CASING 849.03		GROUND ELEV.		DEPTH/ELEV. GROUND WATER		DEPTH/ELEV. TOP OF ROCK	
SAMPLE DEVICE Geoprobe plastic tubing				DRILL CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY Gina M. Seegers					
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure- composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.	
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RGD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations							
13:50	2.0	2.0			0.0						0.0-1.5': <u>TOPSOIL</u> ; Dusky yellowish brown, clayey, with roots, slightly moist.		
13:54	2.0	2.0			0.0						1.5-2.0': <u>SILTY CLAYEY SAND</u> ; Moderate yellowish brown, slightly moist, fine grained, well sorted. 2.0-5.5': <u>SAND</u> ; Moderate yellowish brown, well sorted, moist, 10% small pebbles.		
13:57	2.0	2.0			0.0						Same as above, trace large gravel.		
14:00	2.0	2.0			0.0						5.5-6.0': <u>SANDY SILTY CLAY</u> ; Soft, moist, 10 % pebbles. 6.0-7.5': <u>SAND</u> ; Well sorted, medium grained, saturated.		
											7.5-8.0': <u>SANDY SILTY CLAY</u> ; Pale brown, soft to medium.		
											End of boring 8 feet below ground surface.		

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Environmental Resources Management

GEOLOGIC DRILL LOG			PROJECT/TASK RCRA Pond Closure	PROJECT NUMBER 91255JK	SHEET NO. 2 of 2	HOLE NUMBER SB-11D
SITE Aubrey Manufacturing		COORDINATES N 4985.38; E5750.70		CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe		
BEGUN 08-26-96	COMPLETED 08-26-96	DRILLER On-Site Environmental	DRILLING EQUIPMENT Truck-mounted Geoprobe		BORING DIA. 2	DEPTH (FT) 26.0'

Continued

SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
16:15	2.0	2.0						15			Wet, a bit sandy.	
16:25	2.0	2.0			0.0						Same as above, moist.	
16:38	2.0	2.0			0.0							
16:48	1.0	2.0			0.2			20			Slightly wet. Same as above, more crumbly—higher silt content.	
17:00	2.0	2.0									Same as above, very stiff.	
17:14	1.2	2.0			0.8			25				
								-26			End of boring 26 feet below ground surface.	
								30				



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Environmental Resources Management

GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 1		HOLE NUMBER SB-12		
SITE Aubrey Manufacturing				COORDINATES N 5265.72; E5793.39		CONTAMINANT SCREENING NOTES HNu with 11.7 eV Probe						
BEGUN 08-26-96		COMPLETED 08-26-96		DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe				BORING DIA. 2		
CORE RECOVERY (FT./%) /		CORE BOXES		SAMPLES		ELEV.TOP CASING 847.70		GROUND ELEV.		DEPTH/ELEV. GROUND WATER		
SAMPLE DEVICE Geoprobe plastic tubing				DRILL CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY Gina M. Seegers				
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count ROD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
14:50	1.0	2.0									0.0-1.0': <u>TOPSOIL</u> ; Dusky yellowish brown, clayey, with roots, slightly moist.	
14:52	2.0	2.0									1.0-8.5': <u>SAND</u> ; Fine/medium grained, moist to wet, well sorted, 15% gravel which is subangular to subrounded.	
14:56	1.2	2.0									Same as above, wet to saturated.	
15:02	1.4	2.0									Same as above.	
15:11	1.0	2.0									8.5-10.0': <u>SANDY SILTY CLAY</u> ; Moderate brown, soft to medium stiff, moist.	
											End of boring 10 feet below ground surface.	



ERM-EnviroClean, Inc.

Environmental Resources Management

GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 1		HOLE NUMBER SB-13		
SITE Aubrey Manufacturing				COORDINATES N 5254.54; E5933.38		CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe						
BEGUN 08-26-96		COMPLETED 08-26-96		DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe				BORING DIA. 2		
										DEPTH (FT) 6.0'		
CORE RECOVERY (FT.%) /			CORE BOXES		SAMPLES		ELEV. TOP CASING 846.66		DEPTH/ELEV. GROUND WATER		DEPTH/ELEV. TOP OF ROCK	
SAMPLE DEVICE Geoprobe plastic tubing				DRILL CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY Gina M. Seegers				
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RGD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
17:33	1.0	2.0			0.0						0.0-2.6': TOPSOIL: Dusky yellowish brown, clayey, with roots, trace sand, slightly moist.	
17:35	1.0	2.0			0.0						2.6-6.0': SAND: Dark yellowish orange, fine/medium grained, well sorted, 10% gravel, wet to saturated.	
17:38	2.0	2.0			0.0						Same as above, changes to pale yellowish brown	
											End of boring 6 feet below ground surface.	

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Environmental Resources Management

GEOLOGIC DRILL LOG										PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 2		HOLE NUMBER SB-13D	
SITE Aubrey Manufacturing				COORDINATES N 5254.54; E5933.36				CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe									
BEGUN 08-27-96		COMPLETED 08-27-96		DRILLER On-Site Environmental				DRILLING EQUIPMENT Truck-mounted Geoprobe				BORING DIA. 2		DEPTH (FT) 18.0'			
CORE RECOVERY (FT./%) /				CORE BOXES		SAMPLES		ELEV. TOP CASING 846.66		GROUND ELEV. 846.66				DEPTH/ELEV. GROUND WATER		DEPTH/ELEV. TOP OF ROCK	
SAMPLE DEVICE Geoprobe plastic tubing				DRILL CASING LEFT IN HOLE: DIA./LENGTH								LOGGED BY Gina M. Seegers					
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.					
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations											
											See soil boring log for SB13 for 0-6' description.						
12:15	1.5	2.0			1.0		-6				6.0-10.0': SAND; Pale yellowish brown, fine grained, wet, with small pebbles.						
12:20	1.3	2.0			0.6						Coarser grained with more pebbles.						
12:25	2.0	2.0			0.2		-10	10			10.0-11.0': SAND AND GRAVEL; Subrounded to subangular, wet.						
12:35	1.6	2.0			0.2		-11				11.0-15.9': SANDY SILTY CLAY; Moderate brown, soft, moist, 10% pebbles.						
16:45	2.0	2.0			0.8						Pale brown, soft to very soft.						



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Environmental Resources Management

GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK	SHEET NO. 2 of 2	HOLE NUMBER SB-13D				
SITE Aubrey Manufacturing			COORDINATES N 5254.54; E5933.36		CONTAMINANT SCREENING NOTES HNu with 11.7 eV Probe							
BEGUN 08-27-96	COMPLETED 08-27-96	DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe			BORING DIA. 2	DEPTH (FT) 18.0'				
<i>Continued</i>												
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
16:45	2.0	2.0			0.8			15				
16:55	2.0	2.0			2.0			-15.9			15.9-18.0': <u>SAND</u> : Medium grained, well sorted, wet.	
								-18			18.0-18.0': <u>SANDY SILTY CLAY</u> : As above, soft.	
											End of boring 18 feet below ground surface.	
								20				
								25				
								30				



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Environmental Resources Management

GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK	SHEET NO. 1 of 2	HOLE NUMBER SB-14				
SITE Aubrey Manufacturing			COORDINATES N 5378.22; E5880.64		CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe							
BEGUN 08-27-96	COMPLETED 08-27-96	DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe			BORING DIA. 2	DEPTH (FT) 20.0'				
CORE RECOVERY (FT./%) /		CORE BOXES	SAMPLES	ELEV. TOP CASING	GROUND ELEV. 847.04	DEPTH/ELEV. GROUND WATER		DEPTH/ELEV. TOP OF ROCK				
SAMPLE DEVICE Geoprobe plastic tubing			DRILL CASING LEFT IN HOLE: DIA./LENGTH			LOGGED BY Gina M. Seegers						
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
10:01	0.7	2.0			0.4						0.0-1.5': <u>TOPSOIL</u> : Dusky yellowish brown, clayey, with roots, moist, trace sand.	
10:04	2.0	2.0			0.2						1.5-10.8': <u>SANDY SILTY CLAY</u> : Light brown, moist, 15% small pebbles, soft to very soft.	
10:09	2.0	2.0			0.2						Same as above.	
10:11	2.0	2.0			0.4							
10:18	2.0	2.0			0.4						Medium stiff, color change to pale brown.	
10:27	2.0	2.0			0.4							
10:43	2.0	2.0			1.4						10.8-10.9': <u>CLAYEY SAND</u> : Saturated. 10.9-19.1': <u>SANDY SILTY CLAY</u> : Same as above, stiff.	
10:49	0.9	2.0			0.4							



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Environmental Resources Management

GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK	SHEET NO. 2 of 2	HOLE NUMBER SB-14				
SITE Aubrey Manufacturing			COORDINATES N 5378.22; E5880.64		CONTAMINANT SCREENING NOTES HNu with 11.7 eV Probe							
BEGUN 08-27-96	COMPLETED 08-27-96	DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe			BORING DIA. 2	DEPTH (FT) 20.0'				
<i>Continued</i>												
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
10:49	0.9	2.0			0.4			15				
11:07	2.0	2.0			1.2						Increase in silt—more crumbly, moisture surrounding larger pebbles.	
11:18	1.6	2.0			2.2							
								-19.1 -19.3			19.1-19.3': SAND; Well sorted, medium grained sand, pale brown, saturated.	
								-20	20		19.3-20.0': SANDY SILTY CLAY; As above, medium stiff, moist, with pebbles.	
											End of boring 20 feet below ground surface.	
									25			
									30			



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Environmental Resources Management

GEOLOGIC DRILL LOG										PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 1		HOLE NUMBER SB-15	
SITE Aubrey Manufacturing				COORDINATES N 4892.01; E 5710.84				CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe									
BEGUN 08-27-96		COMPLETED 08-27-96		DRILLER On-Site Environmental				DRILLING EQUIPMENT Truck-mounted Geoprobe				BORING DIA. 2		DEPTH (FT) 14.0'			
CORE RECOVERY (FT./%) /				CORE BOXES		SAMPLES		ELEV. TOP CASING 849.43		GROUND ELEV. 849.43				DEPTH/ELEV. GROUND WATER		DEPTH/ELEV. TOP OF ROCK	
SAMPLE DEVICE Geoprobe plastic tubing								DRILL CASING LEFT IN HOLE: DIA./LENGTH						LOGGED BY Gina M. Seegers			
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.					
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count ROD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations											
13:46	2.0	2.0			0.4						0.0-1.2': <u>TOPSOIL</u> : Dusky yellowish brown, clayey, with roots, slightly moist.						
											1.2-1.4': <u>SAND</u> : Moderate yellowish brown, medium grained, well sorted, slightly moist.						
13:51	1.8	2.0			0.4						1.4-2.0': <u>SOIL</u> : As above, with gravel and rusty coloring.						
											2.0-8.0': <u>SAND</u> : Moderate yellowish brown, moderately sorted, wet, medium grained, 15% gravel.						
13:54	2.0	2.0			0.6						Same as above.						
13:55	1.6	2.0			0.6						Same as above, increase in clay at 7.9'.						
14:02	2.0	2.0			1.6						8.0-11.6': <u>SANDY SILTY CLAY</u> : Pale brown, soft, moist, with pebbles.						
14:10	2.0	2.0			1.2						Same as above.						
14:15	1.5	2.0			2.0						11.6-12.3': <u>SAND</u> : Same as above.						
											12.3-14.0': <u>SANDY SILTY CLAY</u> : Pale brown, stiff, slightly moist, with pebbles.						
											End of boring 14 feet below ground surface.						



ERM-EnviroClean, Inc.

Environmental Resources Management

GEOLOGIC DRILL LOG				PROJECT/TASK RCRA Pond Closure		PROJECT NUMBER 91255JK		SHEET NO. 1 of 1		HOLE NUMBER SB-16		
SITE Aubrey Manufacturing				COORDINATES N 5382.22; E5785.58		CONTAMINANT SCREENING NOTES HNU with 11.7 eV Probe						
BEGUN 08-27-96		COMPLETED 08-27-96		DRILLER On-Site Environmental		DRILLING EQUIPMENT Truck-mounted Geoprobe				BORING DIA. 2		
DEPTH (FT.) /		CORE BOXES		SAMPLES		ELEV. TOP CASING		GROUND ELEV. 848.95		DEPTH/ELEV. GROUND WATER		
SAMPLE DEVICE Geoprobe plastic tubing				DRILL CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY Gina M. Seegers				
SAMPLES/R.CORE				CONTAMINANT SCREENING			LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations						
15:15	2.0	2.0			1.0						0.0-1.8': TOPSOIL; Dusky yellowish brown, clayey, with roots, moist.	
15:17	2.0	2.0			1.4						1.8-4.6': SANDY SILTY CLAY; Light brown, with small pebbles, soft, moist.	
15:20	2.0	2.0			1.4						4.6-4.7': SAND; Wet, fine grained, well sorted.	
15:23	1.5	2.0			0.6						4.7-6.0': SANDY SILTY CLAY; Same as above.	
											6.0-6.4': SAND; Wet to saturated, fine/medium grained, well sorted.	
											6.4-8.0': SANDY SILTY CLAY; Light brown, with small pebbles, medium stiff, moist to slightly moist.	
											End of boring 8 feet below ground surface.	



ERM-North Central, Inc.

Environmental Resources Management

GEOLOGIC DRILL LOG				PROJECT/TASK		PROJECT NUMBER	SHEET NO.	HOLE NUMBER				
				RCRA Pond Closure		91255DE	1 of 1	ISS-1				
SITE			COORDINATES		CONTAMINANT SCREENING NOTES							
Aubrey Manufacturing			Intermittent Stream		None							
BEGUN	COMPLETED	DRILLER		DRILLING EQUIPMENT			BORING DIA.	DEPTH (FT)				
8/26/96	8/26/96	NA		NA			NA	6.0' -				
CORE RECOVERY (FT.%)		CORE BOXES	SAMPLES	ELEV. TOP CASING	GROUND ELEV.	DEPTH/ELEV. GROUND WATER		DEPTH/ELEV. TOP OF ROCK				
/					849.48	3.98' bgs / 845.50		Not Encountered' bgs /				
SAMPLE DEVICE				DRILL CASING LEFT IN HOLE: DIA./LENGTH			LOGGED BY					
							John Roberts					
SAMPLES/R.CORE				CONTAMINANT SCREENING			DRILLING NOTES					
Lab Sample # Time	Recovery (feet)	Length (feet)	Blow Count RQD (%)	Sample Scan* (Vppm)	Headspace** (Vppm)	Observations	LAYER DEPTH	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
		3.0									0.0'-3.0': <u>TOPSOIL</u>	Ground water seepage at 3.98 feet below ground surface.
		3.0						-3			3.0'-6.0': <u>SAND WITH GRAVEL</u>	
								-6			Bottom of ambient stream at 6 feet below ground surface.	